

### ABSTRACT

A magnetic core has a toroidal configuration, formed by winding an iron-based amorphous metal ribbon. Thereafter the core is heat-treated to achieve a linear  
5 B-H characteristic. Advantageously, the linear B-H characteristic does not change with the level of magnetic fields applied and the frequency utilized. With such properties, the core is especially suited for use in a current transformer.

4071582.200002